

Entry Approved

LDR 5/10/06

Appl. No.: 10/756,855

Amdt. Dated May 2, 2006

Response to Office Action Mailed February 3, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) An electric distance meter, which irradiates measuring light to an object to be measured and measures a distance from a phase difference between the measuring light reflected by the object and internal reference light, comprising:

a device configured to generate a modulation signal for modulating the measuring the distance light which is irradiated to the object to be measured;

a pulse signal generation device configured to periodically generate an intermittent a pulse signal, which emits the for generating intermittent modulated measuring light as pulsed light by intermittently adding said modulation signal to a light emitting element;

an AND circuit, which overlaps the modulation signal to only an interval of the pulse signal:

a driver circuit, which drives the a light emitting element based on a signal from the AND circuit to emit as the measuring light based on a signal from the AND circuit;

a frequency signal generation device configured to generate an internal frequency signal with a frequency different from said modulation signal;